Supplementary Online Content

This supplementary material has been provided by the authors to give readers additional information about their work.

eTable 1. Demographic Characteristics of Responding Physicians Compared to All US Physicians

Characteristics	2017 Responders n=5,445, No. (%)	All U.S. Physicians 2017 n=890,083[a], No. (%)
Sex		
Male	2,995 (62.1%)	577,339 (64.9%)
Female	1,818 (37.7%)	311,776 (35.0%)
Other	13 (0.3%)	N/A
Missing	619	968
Age in Years		
Median	53	52
<35	305 (6.4%)	80,780 (9.1%)
35-44	1,120 (23.5%)	224,341 (25.2%)
45-54	1,103 (23.1%)	227,421 (25.6%)
55-64	1,371 (28.7%)	221,199 (24.9%)
>/=65	874 (18.3%)	135,596 (15.2%)
Missing	672	746
Hours Worked Per Week		
Median (IQR)	50 (40-60)	
<40 hrs	961 (18.9%)	
40-49 hrs	1,053 (20.7%)	
50-59 hrs	1,245 (24.4%)	
60-69 hrs	1,084 (21.3%)	
70-79 hrs	386 (7.6%)	
≥80 hrs	367 (7.2%)	
Missing	349	
Primary Practice Setting		
Private practice	2,474 (48.0%)	
Academic medical center	1,394 (27.1%)	
Veterans hospital	107 (2.1%)	
Active military practice	55 (1.1%)	
Not in practice or retired	169 (3.3%)	
Other	950 (18.5%)	
Missing	296	

[a] As of October 18, 2017.

eTable 2. Comparison of Employed Physicians in the Sample Aged 29-65 Years With a Probability Based Sample of the Employed US Population Aged 29-65 Years[1]

	Physicians n=3,971, No. (%)	Population n=5,198, No. (%)	P-value
Sex			<.001
Male	2,279 (57.5%)	2,702 (52.0%)	
Female	1,674 (42.2%)	2,496 (48.0%)	
Other	11 (0.3%)	0 (0.0%)	
Age			
Median	50.0	52.0	<.001
			<.001
29-34	299 (7.5%)	500 (9.6%)	
35-44	1,117 (28.1%)	1,000 (19.2%)	
45-54	1,095 (27.6%)	1,498 (28.8%)	
55-65	1,460 (36.8%)	2,200 (42.3%)	
Relationship Status			<.001
Single	498 (12.7%)	1,436 (27.6%)	
Married	3,233 (82.2%)	3,429 (66.0%)	
Partnered	168 (4.3%)	229 (4.4%)	
Widowed/widower	35 (0.9%)	104 (2.0%)	
Missing	37	0	
Hours Worked/week			
Mean(SD)	52.6 (16.1)	40.3 (11.8)	<.001
Median	50.0	40.0	
			<.001
<40 hrs	569 (14.6%)	1,368 (26.3%)	
40-49 hrs	801 (20.5%)	2,813 (54.2%)	
50-59 hrs	1,017 (26.0%)	693 (13.3%)	
60-69 hrs	887 (22.7%)	234 (4.5%)	
70-79 hrs	323 (8.3%)	53 (1.0%)	
$\geq$80 hrs	309 (7.9%)	33 (0.6%)	
Missing	65	4	

eTable 3. Multivariable Linear Regression Model of the Relationship Between Physician Resilience Score and Emotional Exhaustion Score

Outcome	Predictor	Parameter Estimate (95% CI)	P-value
Emotional exhaustion score (0-54)	CD-RISC Score (0-8)	-3.18 (-3.45 to -2.9)	<0.001
	Female (vs. Male)	2.59 (1.80-3.37)	<0.001
	Age (vs. <35 years)		<0.001
	35-44 years	2.55 (1.02-4.08)	
	45-54 years	2.62 (1.08-4.16)	
	55-64 years	1.01 (-0.51-2.54)	
	65+ years	-4.09 (-5.77 to -2.42)	
	Hours worked per week (for each additional hour)	0.17 (0.15-0.20)	<0.001
	Practice setting (vs. private practice)		<0.001
	Academic medical center	-1.77 (-2.64 to -0.89)	
	Veterans hospital	-0.87 (-3.25-1.52)	
	Active military practice	-1.78 (-5.04-1.48)	
	Other	0.12 (-0.85-1.09)	
	Specialty (vs. General Internal Medicine)		<0.001
	Emergency Medicine	-2.33 (-4.34 to -0.32)	
	Neurology	-0.04 (-2.56-2.47)	
	Otolaryngology	3.39 (1.43-5.34)	
	Urology	0.76 (-0.99-2.51)	
	Family Medicine	-0.29 (-2.42-1.83)	
	Physical Medicine and Rehabilitation	0.68 (-1.54-2.90)	
	Radiology	-1.04 (-3.24-1.17)	
	Dermatology	-1.55 (-4.02-0.92)	
	Radiation Oncology	-2.92 (-5.32 to -0.53)	
	General Surgery	0.14 (-2.41-2.69)	
	Ophthalmology	-1.98 (-3.71 to -0.24)	
	Internal Medicine Subspecialty	-2.64 (-5.26 to -0.01)	
	Obstetrics and Gynecology	-1.03 (-2.61-0.56)	
	Preventive/Occupational Medicine	-1.24 (-3.24-0.77)	
	Orthopedic Surgery	-3.59 (-5.68 to -1.50)	
	Anesthesiology	-2.68 (-5.04 to -0.32)	
	Other	-3.38 (-5.15 to -1.60)	
	Psychiatry	-5.14 (-8.57 to -1.70)	
	General Pediatrics	-2.09 (-4.04 to -0.13)	
	General Surgery Subspecialty	-0.67 (-4.59-3.26)	
	Pathology	-0.23 (-4.54-4.07)	
	Neurosurgery	1.67 (-3.29-6.62)	
	Pediatric Subspecialty	-1.10 (-5.23-3.03)	

eTable 4. Multivariable Logistic Regression Model of the Relationship Between Physician Resilience Score and High Emotional Exhaustion

Outcome	Predictor	OR (95% CI)	P-value
High emotional exhaustion present	CD-RISC Score (0-8)	0.64 (0.61-0.68)	<0.001
	Female (vs. Male)	1.57 (1.36-1.82)	<0.001
	Age (vs. <35 years)		<0.001
	35-44 years	1.31 (0.99-1.74)	
	45-54 years	1.37 (1.03-1.82)	
	55-64 years	1.18 (0.89-1.57)	
	65+ years	0.50 (0.36-0.70)	
	Hours worked per week (for each additional hour)	1.03 (1.02-1.03)	<0.001
	Practice setting (vs. private practice)		0.09
	Academic medical center	0.83 (0.71-0.98)	
	Veterans hospital	0.82 (0.52-1.30)	
	Active military practice	0.73 (0.39-1.35)	
	Other	1.07 (0.89-1.29)	
	Specialty (vs. General Internal Medicine)		<0.001
	Emergency Medicine	0.88 (0.60-1.28)	
	Neurology	1.10 (0.69-1.75)	
	Otolaryngology	1.67 (1.17-2.39)	
	Urology	1.21 (0.88-1.67)	
	Family Medicine	1.17 (0.79-1.73)	
	Physical Medicine and Rehabilitation	1.21 (0.80-1.83)	
	Radiology	0.94 (0.62-1.41)	
	Dermatology	0.99 (0.62-1.59)	
	Radiation Oncology	0.72 (0.46-1.15)	
	General Surgery	1.09 (0.68-1.75)	
	Ophthalmology	0.77 (0.56-1.08)	
	Internal Medicine Subspecialty	0.79 (0.48-1.31)	
	Obstetrics and Gynecology	0.94 (0.70-1.26)	
	Preventive/Occupational Medicine	0.76 (0.52-1.12)	
	Orthopedic Surgery	0.61 (0.41-0.91)	
	Anesthesiology	0.87 (0.56-1.35)	
	Other	0.65 (0.46-0.91)	
	Psychiatry	0.50 (0.26-0.99)	
	General Pediatrics	0.8 (0.55-1.16)	
	General Surgery Subspecialty	1.22 (0.59-2.54)	
	Pathology	1.10 (0.49-2.44)	
	Neurosurgery	0.70 (0.25-1.97)	
	Pediatric Subspecialty	1.01 (0.47-2.13)	

eTable 5. Multivariable Linear Regression Model of the Relationship Between Physician Resilience Score and Depersonalization Score

Outcome	Predictor	Parameter Estimate (95% CI)	P-value
Depersonalization score (0-30)	CD-RISC Score (0-8)	-1.43 (-1.57 to -1.29)	0.001
	Female (vs. Male)	-0.57 (-0.97 to -0.17)	0.005
	Age (vs. <35 years)		<0.001
	35-44 years	0.33 (-0.45-1.11)	
	45-54 years	-0.73 (-1.52-0.05)	
	55-64 years	-1.69 (-2.47 to -0.90)	
	65+ years	-3.7 (-4.55 to -2.84)	
	Hours worked per week (for each additional hour)	0.04 (0.03-0.05)	<0.001
	Practice setting (vs. private practice)		<0.001
	Academic medical center	-1.24 (-1.69 to -0.80)	
	Veterans hospital	0.10 (-1.12-1.32)	
	Active military practice	-0.29 (-1.96-1.38)	
	Other	0.01 (-0.49-0.51)	
	Specialty (vs. General Internal Medicine)		<0.001
	Emergency Medicine	-1.08 (-2.11 to -0.05)	
	Neurology	-0.44 (-1.72-0.84)	
	Otolaryngology	3.90 (2.90-4.89)	
	Urology	-0.04 (-0.93-0.86)	
	Family Medicine	-1.10 (-2.18 to -0.01)	
	Physical Medicine and Rehabilitation	-0.26 (-1.40-0.87)	
	Radiology	-0.38 (-1.51-0.74)	
	Dermatology	-1.65 (-2.92 to -0.39)	
	Radiation Oncology	-2.68 (-3.91 to -1.45)	
	General Surgery	-0.73 (-2.03-0.56)	
	Ophthalmology	-0.82 (-1.71-0.06)	
	Internal Medicine Subspecialty	-0.84 (-2.18-0.5)	
	Obstetrics and Gynecology	-0.95 (-1.76 to -0.14)	
	Preventive/Occupational Medicine	-1.43 (-2.45 to -0.40)	
	Orthopedic Surgery	-1.31 (-2.37 to -0.24)	
	Anesthesiology	-1.17 (-2.38-0.03)	
	Other	-1.15 (-2.06 to -0.24)	
	Psychiatry	-0.91 (-2.67-0.85)	
	General Pediatrics	-0.01 (-1.01-0.98)	
	General Surgery Subspecialty	-0.01 (-2.01-2.00)	
	Pathology	0.34 (-1.86-2.55)	
	Neurosurgery	-1.44 (-3.97-1.10)	
	Pediatric Subspecialty	-2.00 (-4.12-0.11)	

eTable 6. Multivariable Logistic Regression Model of the Relationship Between Physician Resilience Score and High Depersonalization

Outcome	Predictor	OR (95% CI)	P-value
High depersonalization present	CD-RISC Score (0-8)	0.65 (0.61-0.68)	<0.001
	Female (vs. Male)	0.88 (0.75-1.03)	0.10
	Age (vs. <35 years)		<0.001
	35-44 years	1.11 (0.83-1.48)	
	45-54 years	0.83 (0.62-1.12)	
	55-64 years	0.60 (0.44-0.8)	
	65+ years	0.28 (0.19-0.40)	
	Hours worked per week (for each additional hour)	1.01 (1.01-1.02)	<0.001
	Practice setting (vs. private practice)		0.002
	Academic medical center	0.70 (0.58-0.84)	
	Veterans hospital	0.85 (0.52-1.39)	
	Active military practice	0.60 (0.31-1.16)	
	Other	0.94 (0.78-1.15)	
	Specialty (vs. General Internal Medicine)		<0.001
	Emergency Medicine	0.63 (0.42-0.94)	
	Neurology	0.68 (0.41-1.14)	
	Otolaryngology	2.44 (1.70-3.49)	
	Urology	0.97 (0.69-1.36)	
	Family Medicine	0.75 (0.49-1.14)	
	Physical Medicine and Rehabilitation	1.03 (0.67-1.59)	
	Radiology	0.83 (0.54-1.27)	
	Dermatology	0.58 (0.34-0.99)	
	Radiation Oncology	0.37 (0.21-0.65)	
	General Surgery	0.69 (0.41-1.16)	
	Ophthalmology	0.72 (0.51-1.02)	
	Internal Medicine Subspecialty	0.89 (0.52-1.53)	
	Obstetrics and Gynecology	0.80 (0.59-1.08)	
	Preventive/Occupational Medicine	0.59 (0.39-0.90)	
	Orthopedic Surgery	0.61 (0.39-0.94)	
	Anesthesiology	0.69 (0.43-1.10)	
	Other	0.61 (0.43-0.88)	
	Psychiatry	0.71 (0.36-1.43)	
	General Pediatrics	1.08 (0.74-1.58)	
	General Surgery Subspecialty	0.96 (0.44-2.09)	
	Pathology	0.97 (0.42-2.27)	
	Neurosurgery	0.85 (0.29-2.49)	
	Pediatric Subspecialty	0.77 (0.34-1.74)	